



1600

## RAW SEQUENCE LISTING

DATE: 10/31/2002

PATENT APPLICATION: US/09/699,652A

TIME: 17:29:08

Input Set : A:\BB1168 US NA Amended SeqList.txt

Output Set: N:\CRF4\10312002\I699652A.raw

3 <110> APPLICANT: Cahoon, Edgar B.  
 4 Cahoon, Rebecca E.  
 5 Kinney, Anthony J.  
 6 Rafalski, J. Antoni  
 8 <120> TITLE OF INVENTION: TRIACYLGLYCEROL LIPASES  
 10 <130> FILE REFERENCE: BB1168 US NA  
 12 <140> CURRENT APPLICATION NUMBER: 09/699,652A  
 13 <141> CURRENT FILING DATE: 2002-10-30  
 15 <150> PRIOR APPLICATION NUMBER: 60/083,688  
 16 <151> PRIOR FILING DATE: 1988-04-30  
 18 <150> PRIOR APPLICATION NUMBER: PCT/US99/09280  
 19 <151> PRIOR FILING DATE: 1999-04-29  
 21 <160> NUMBER OF SEQ ID NOS: 36  
 23 <170> SOFTWARE: Microsoft Office 97

**Does Not Comply**  
**Corrected Diskette Needed**

## ERRORED SEQUENCES

1678 <210> SEQ ID NO: 36  
 1679 <211> LENGTH: 403  
 1680 <212> TYPE: PRT  
 1681 <213> ORGANISM: Caenorhabditis elegans  
 1683 <400> SEQUENCE: 36  
 1684 Met Trp Arg Phe Ala Val Phe Leu Ala Ala Phe Phe Val Gln Asp Val  
 1685 1 5 10 15  
 1687 Val Gly Ser His Gly Asp Pro Glu Leu His Met Thr Thr Pro Gln Ile  
 1688 20 25 30  
 1690 Ile Glu Arg Trp Gly Tyr Pro Ala Met Ile Tyr Thr Val Ala Thr Asp  
 1691 35 40 45  
 1693 Asp Gly Tyr Ile Leu Glu Met His Arg Ile Pro Phe Gly Lys Thr Asn  
 1694 50 55 60  
 1696 Val Thr Trp Pro Asn Gly Lys Arg Pro Val Val Phe Met Gln His Gly  
 1697 65 70 75 80  
 1699 Leu Leu Cys Ala Ser Ser Asp Trp Val Val Asn Leu Pro Asp Gln Ser  
 1700 85 90 95  
 1702 Ala Gly Phe Leu Phe Ala Asp Ala Gly Phe Asp Val Trp Leu Gly Asn  
 1703 100 105 110  
 1705 Met Arg Gly Asn Thr Tyr Ser Met Lys His Lys Asp Leu Lys Pro Ser  
 1706 115 120 125  
 1708 His Ser Ala Phe Trp Asp Trp Ser Trp Asp Glu Met Ala Thr Tyr Asp  
 1709 130 135 140  
 1711 Leu Asn Ala Met Ile Asn His Val Leu Glu Val Thr Gly Gln Asp Ser  
 1712 145 150 155 160

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```

1714 Val Tyr Tyr Met Gly His Ser Gln Gly Thr Leu Thr Met Phe Ser His
1715           165           170           175
1717 Leu Ser Lys Asp Asp Gly Ser Phe Ala Lys Lys Ile Lys Lys Phe Phe
1718           180           185           190
1720 Ala Leu Ala Pro Ile Gly Ser Val Lys His Ile Lys Gly Phe Leu Ser
1721           195           200           205
1723 Phe Phe Ala Asn Tyr Phe Ser Leu Glu Phe Asp Gly Trp Phe Asp Ile
1724           210           215           220
1726 Phe Gly Ala Gly Glu Phe Leu Pro Asn Asn Trp Ala Met Lys Leu Ala
1727 225           230           235           240
1729 Ala Lys Asp Ile Cys Gly Gly Leu Lys Val Glu Ala Asp Leu Cys Asp
1730           245           250           255
1732 Asn Val Leu Phe Leu Ile Ala Gly Pro Glu Ser Asp Gln Trp Asn Gln
1733           260           265           270
1735 Thr Arg Val Pro Val Tyr Ala Thr His Asp Pro Ala Gly Thr Ser Thr
1736           275           280           285
1738 Gln Asn Ile Val His Trp Met Gln Met Val His His Gly Gly Val Pro
1739           290           295           300
1741 Ala Tyr Asp Trp Gly Thr Lys Thr Asn Lys Lys Lys Tyr Gly Gln Ala
1742 305           310           315           320
1744 Asn Pro Pro Glu Tyr Asp Phe Thr Ala Ile Lys Gly Thr Lys Ile Tyr
1745           325           330           335
1747 Leu Tyr Trp Ser Asp Ala Asp Trp Leu Ala Asp Thr Pro Asp Val Pro
1748           340           345           350
1750 Asp Tyr Leu Leu Thr Arg Leu Asn Pro Ala Ile Val Ala Gln Asn Asn
1751           355           360           365
1753 His Leu Pro Asp Tyr Asn His Leu Asp Phe Thr Trp Gly Leu Arg Ala
1754           370           375           380
1756 Pro Asp Asp Ile Tyr Arg Pro Ala Ile Lys Leu Cys Thr Asp Asp Tyr
1757 385           390           395           400
1759 Leu Gly Lys

```

E--&gt; 1762 30

## VERIFICATION SUMMARY

DATE: 10/31/2002

PATENT APPLICATION: US/09/699,652A

TIME: 17:29:09

Input Set : A:\BB1168 US NA Amended SeqList.txt

Output Set: N:\CRF4\10312002\I699652A.raw

L:170 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:480  
L:171 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:540  
L:173 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:660  
L:227 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0  
L:230 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:180  
L:254 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0  
L:376 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:120  
L:378 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:240  
L:380 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:360  
L:381 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:420  
L:382 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:480  
L:419 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:48  
L:425 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:80  
L:475 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0  
L:478 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:180  
L:479 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:240  
L:524 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:64  
L:527 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:80  
L:737 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0  
L:738 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:60  
L:740 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:180  
L:741 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:240  
L:742 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:300  
L:743 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:360  
L:771 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0  
L:780 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:48  
L:1124 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:180  
L:1126 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:300  
L:1128 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:420  
L:1142 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:1260  
L:1143 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:1320  
L:1176 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:48  
L:1179 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:64  
L:1191 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:128  
L:1245 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:600  
L:1279 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:32  
L:1380 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:0  
L:1381 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:60  
L:1762 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:36